

I claim:

SUB A17  
1. A method of engineering project design using a real-time interface with a global computer network, said method comprising:  
creating a database for approved engineering specific Universal Record Locator (URL) links;  
indexing said database according to predetermined engineering search queries;  
providing a graphical user interface (GUI) allowing a user to:  
(i) perform a categorized database inquiry for an engineering project by using a cascading drop-down menu process;  
(ii) input critical parameters regarding the specification and requirements for the engineering project; and  
(iii) compile project information into a job folder checklist;  
retrieval of URL links according to the database inquiry;  
accessing Web pages related to the retrieved URL links; and  
displaying pertinent information of the accessed Web pages and inserting the information into the job folder checklist.

2. The method of engineering project design according to claim 1, further including:  
displaying of a plurality of engineering disciplines;  
listing of conventional engineering projects within each engineering discipline; and  
providing a design process template for each engineering discipline integrated into the

5 GUI.

1 3. The method of engineering project design according to claim 2, wherein the design  
2 process template prompts a user to input the critical parameters for a selected engineering  
3 project.

1 4. The method of engineering project design according to claim 2, wherein the design  
2 process template includes formulas for a selected engineering project.

5. The method of engineering project design according to claim 2, wherein the design  
process template includes a drop-down menu for a selected engineering project.

6. The method of engineering project design according to claim 2, further including the  
steps of:  
performing iterative calculations to arrive at an acceptable final design; and  
inserting the design data into the job folder checklist.

1 7. The method of engineering project design according to claim 6, wherein the iterative  
2 calculations are based on material specifications acquired from a Web page review.

1 8. The method of engineering project design according to claim 6, wherein the iterative  
2 calculations are based on component specifications acquired from a Web page review.

1 9. The method of engineering project design according to claim 6, wherein the iterative  
2 calculations are based on design tables acquired from a Web page review.

1 10. The method of engineering project design according to claim 1 including the step of  
2 displaying and printing of a flow diagram detailing the engineering project.

1 11. The method of engineering project design according to claim 1, further including the step  
2 of displaying and printing of selected components selected during the Web page review.

1 12. The method of engineering project design according to claim 1, further including the step  
2 of retrieving regulatory data from a Web page review.

1 13. The method of engineering project design according to claim 11, further including a step  
2 of selection regulatory data to conform to a specific geographical location.

1 14. The method of engineering project design according to claim 1, further the step of  
2 printing a report on the engineering project based on information in the job folder checklist.